



- NOTES:
- THIS IS A UHV ASSEMBLY. KEEP THE UHV PARTS CLEAN DURING ASSEMBLY AND WRAP UP FOR UHV PACKING WITH ALUMINUM FOIL.
 - DEVICE SHALL BE LEAK TESTED USING A MASS SPECTROMETER WITH MINIMUM SENSITIVITY FOR HELIUM OF 2X 10⁻¹⁰ STANDARD CC/SEC PER LEAK METER DIVISION, SUCH AS:
ALCATEL ASM-110TCL
VARIAN NCR 925 OR 936
VEECO MS-9, MS-90 OR MS-18
DU PONT CEC 24-120B
CALIBRATION OF THE LEAK DETECTOR SENSITIVITY SHALL BE PERFORMED JUST PRIOR TO TESTING.
FINAL TEST WILL CONSIST OF SURROUNDING THE CHAMBER (BAGGING) WITH HELIUM. THE CHAMBER WILL BE REJECTED IF A 2% DEFLECTION IN THE MOST SENSITIVE RANGE OF THE LEAK DETECTOR IS SENSED WITHIN 1 MIN.
 - ALL DIMENSIONS WITH \varnothing ARE IN MILLIMETERS
 - ALL DRILLED HEAD SCREWS SHALL BE WIRED TO LOCK IN PLACE.
 - BEFORE ASSEMBLE SWAGELOK MALE CONNECTORS, USE SILVER GOOP TREAD LUBRICANT FROM SWAGELOK CO. TO ALLOW CONNECTORS TO BE DISASSEMBLED WITHOUT SPECIAL TOOLS.

REFERENCE SOURCE:
(SWAGELOK)
DEARBORN VALVE & FITTING CO.
1540 N. OLD RAND ROAD
P.O. BOX 847
WILKONDA, IL 60084-0847
708-526-6900
FAX: 708-526-1221

1	REV. NO'S REMOVED:	J.G.	
1	ITEM 6 & NOTE 6 ADDED:	J.G.	
1	DATE:	CHG	DATE

6	SS-600-1-4	MALE CONNECTOR (SWAGELOK)	SST 316	2
5	PIN 191009	METAL SEAL GASKET (MCG)	OFHC COPPER	1
4	5/16-24 UNF x 1-1/4 LG 12-PT (DRILL HD)		SST SILVER PLTD	8
3	5/16 PLAIN WASHER		SST	8
2	P4105090906-250100	P6 COOLING ASSEMBLY		1
1	P4105090103-850000	A3 31 mm LINEAR ACTUATOR ASSEMBLY		1
1	ITEM 6	REWORKED PARTS		1

PARTS LIST		DATE: 5/12/94	
A1529301		ARGONNE NATIONAL LABORATORY	
J.GOGOL	12/20/93	J.GOGOL	5/12/94
J.CHANG	5/4/94	J.CHANG	5/18/94
J.GOGOL	5/4/94	J.GOGOL	5/18/94
J.CHANG	5/4/94	J.CHANG	5/18/94
SEE PARTS LIST		DATE: 5/12/94	
SHEET 1 of 1		E P4105090906-250000-01	

ADVANCED PHOTON SOURCE
P6 BM WMS
INTEGRAL SHUTTER
WHITE BEAM ABSORBER
ASSEMBLY